

WHAT IS CLAIMED IS:

~~1. A method of manufacturing an unvulcanized adhesive waterproof sheet~~
comprising the steps of:

5 agitating a rubber main material composed of at ^{least} one of a natural rubber and a synthetic rubber with a vulcanizing compound agent, an age resister, an adhesion-providing agent, a softener, and a filler, and then adding and agitating a vulcanizing agent thereto in an open roller, thereby producing a raw rubber material;

10 rolling and forcing out the raw rubber material with constant width and thickness, thereby manufacturing a waterproof sheet; and

 making a releasing paper attach to both surfaces of the waterproof sheet, being cut with a constant length.

15 2. The method of Claim 1, wherein the age resister includes at least one selected from a group consisting of phenylisopropyl-p-phenyllenediamin, polymerized trimethyl dihydroquinoline, and styremeated phenol.

20 3. The method of Claim 1, wherein the adhesion-providing agent includes at least one of tragacanth rubber and polyvinyl poval (PVA) being affined with water.

25 4. A construction method using an unvulcanized adhesive waterproof sheet manufactured by a method of Claim 1, the construction method comprising the steps of:
 making one surface of the waterproof sheet attach to a surface of a structure surface;
and

 making the other surface thereof attach to wet mortar with a constant thickness, wherein the waterproof sheet is turned into a vulcanized rubber so as to achieve waterproof of the structure after the construction.

30 5. The construction method of Claim 4, before the step of making the waterproof sheet attach to the surface, further comprising a step of coating premier on the surface of the structure, the premier being produced by resolving the raw rubber material made by a method of Claim 1 in organic solvent.

6. The construction method of Claim 4, wherein, in the step of making the

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waterproof sheet attach to the surface, the waterproof sheet and the surface are coupled and overlapped with each other, and the overlapped portion adheres using the premier then.

5 7. The construction method of Claim 4, before the step of making the waterproof sheet attach to the surface, further comprising a step of closing a portion of water leakage caused by cracks of the surface using an adhesion agent produced by resolving the raw rubber material in a constant amount of organic solvent.

10 8. The construction method of Claim 7, after closing the cracks using the adhesion agent, further comprising a step of coating the premier on the surface.

9. The method of Claim 2, wherein the adhesion-providing agent includes at least one of tragacanth rubber and polyvinyl poval (PVA) being affined with water.

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